

That which is claimed is:

1. A method of stimulating the growth of lung alveolar surface in a lung in need thereof, comprising:

5 providing progenitor or stem cells capable of regenerating lung alveolar surface; and

administering said progenitor or stem cells to said lung in an amount sufficient to stimulate the growth of lung alveolar surface therein.

10 ~~2. A method according to claim 1, wherein said lung is *in vivo* in a subject in need of said treatment.~~

15 ~~3. A method according to claim 1, wherein said lung is *ex vivo*, and wherein said administering step is followed by the step of:
transplanting said lung into a recipient in need thereof.~~

20 ~~4. A method according to claim 1, wherein said subject is a mammalian subject.~~

25 ~~5. A method according to claim 1, wherein said subject is a human subject.~~

~~6. A method according to claim 1, wherein said step or progenitor cells are from the same species as said subject.~~

~~7. A method according to claim 1, wherein said progenitor cells are autologous cells.~~

~~8. A method according to claim 1, wherein said administering step is carried out by intravenous injection, intra-arterial injection, or intra-bronchial administration.~~

30 ~~9. A method according to claim 1, wherein said stem or progenitor cells are lung cells.~~

Sub
A2
022-21

Sub
A₂

~~10. A narrow cell~~

5

Method according to claim 1, wherein s
ls.

Method according to claim 11, where
us that is autologous to said subject

$A \perp A_3$

[illegible]